Mida Remote VC Commander
Administration and User Guide

Document Revision: 1.0

Document Information

File	MidaSolutions_RemoteVCcommander - Administration & User Manual.docx
Version	1.0
Part Number	DVCC0200UM00EN0001

Revision	*Date*	*Description*	*Updates*
1.0	25/03/2012	Remote VC Commander	

Table of Contents

1 Introduction 5
1.1 Legal statements 5
1.2 Preface 5
1.3 Audience 5
1.4 Notations 5
1.5 References 5
2 Mida Remote VC Commander User Guide 6
2.1 Manage Rooms 7
2.2 Make a video call 9
2.3 Multi Room Mode 11
2.4 One Room Mode 11
2.5 Settings 12
2.5.1 *using a Mida Application Server* 13
3 Mida Remote VC Commander Administrator Guide 14
3.1 First Setup 14
3.2 Network Configuration 14
3.3 Codec Configuration 15

1 Introduction

1.1 *Legal statements*

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1.2 *Preface*

This document is part of the official documentation of Mida Solutions products and details functionalities, user interface, options and working modes in detail. The system allows the user to configure all system functions using a simple and intuitive WEB interface. Please refer to the reference table for a complete list of documents relevant for system configuration.

1.3 *Audience*

The present document addresses both **end users** and **system administrators** of Mida products.

1.4 *Notations*

This document highlights, where possible, the main parameters and operations through **bold** or *italics* text and all parts that might be critical during system configuration or use. Critical parts are also marked with the Warning symbol reported here on the left.

1.5 *References*

This manual includes references to the following list of documents:

[1] Mida_Unified_Portal-Administration_&_User_Manual
[2] Mida_Appliance-Administration_Manual

2 Mida Remote VC Commander User Guide

This app allow you to manage video conferences directly from your personal tablet or smartphone. Main features are:

- "***one button to push***" feature, strictly related to the user (greater safety and rooms control)
- extend to control the environments with mixed rooms (i.e. Tandberg/Cisco, Polycom, Aethra etc.)
- available on Cisco CIUS, Android Froyo (and later release) and also on iOS (i.e. Apple iPAD or iPhone)
- touch interface compatible with more devices, including Tandberg legacy

and only for CIUS devices connected to a Mida Application Server:

- provide also a "*speech recognition*" feature running local on Mida Application Server and therefore does not require internet access. Alternatively, if internet access is available, it's possible to offer a cloud service of "voice recognition";
- integrate a "*text to speech*" capabilities in order to guide the user in a more "user friendly" mode.

WORKING MODE
The app can work in two modes:

- ***One room mode*** (commands a preselected codec)
- ***Multi room mode*** (the user can select the room to command)

DIRECTORY AND CONTACS
The app uses the contacts exported from the codec.
In detail:

- **Directory**: from codec/TMS (if enabled, you may merge also the contacts of the device or show only the contacts of the device)
- **Favorites**: from the app (set by Mida app)
- **History**: from app call history (i.e. device call history) and then the user's personal call history
- **Dial**: Number or URI that you may insert from the tablet

VIDOE CALL FEATURES
When the videoconference is active, it's possible:

- see the room and the involved participants;
- add a participant;
- put on hold the video call;
- close the video call;
- adjust audio volume;
- mute/unmute the call;
- select a camera preset if available.

2.1 *Manage Rooms*

When you start the app the system show you the list of configured rooms.

ADD NEW ROOM

1. Push on add button (depending on the model of your device, it may be "+" button on top of the page for iOS or "add" button selecting menu for Android)

2. Insert room's parameter:
   - **Name**: this is the name used by app in order to identify the room
   - **IP**: ip address or host name of the codec
   - **Username**: enter the administrative user that system use to access to the codec
   - **Password**: enter the password of the user that system use to access to the codec

3. click on "save" button in order to perform your change (depending on the model of your device, it may be named "Done" or "Save")

MODIFY EXISTING ROOM

If you have a long list you may search the one that you want to modify by using the search tool bar (or search button depending on the model of your device).

Hence you found the room you must:
1. select the room
2. modify the parameters configured for the room
3. click on "done/save" button in order to perform your change

Figure 1: manage rooms – android device

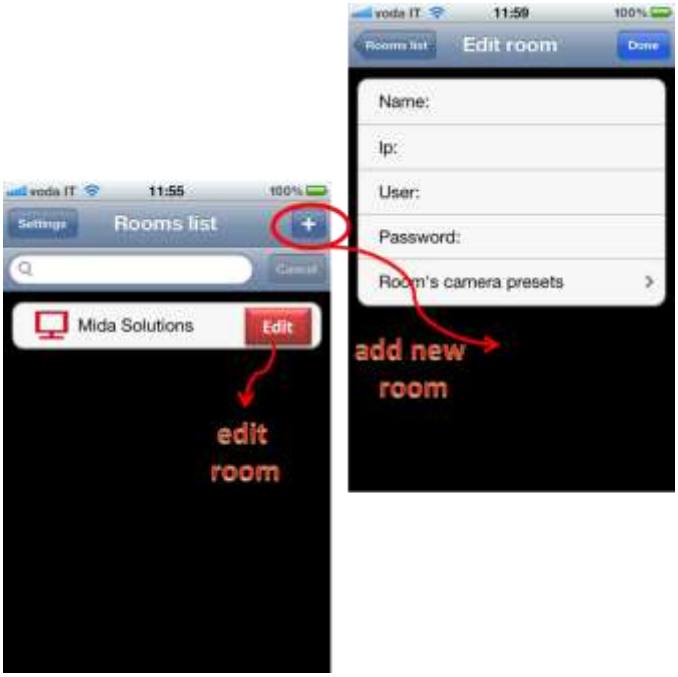

Figure 2: manage rooms – iOS device

Note: depending on device type you may choose/manage also the camera preset.

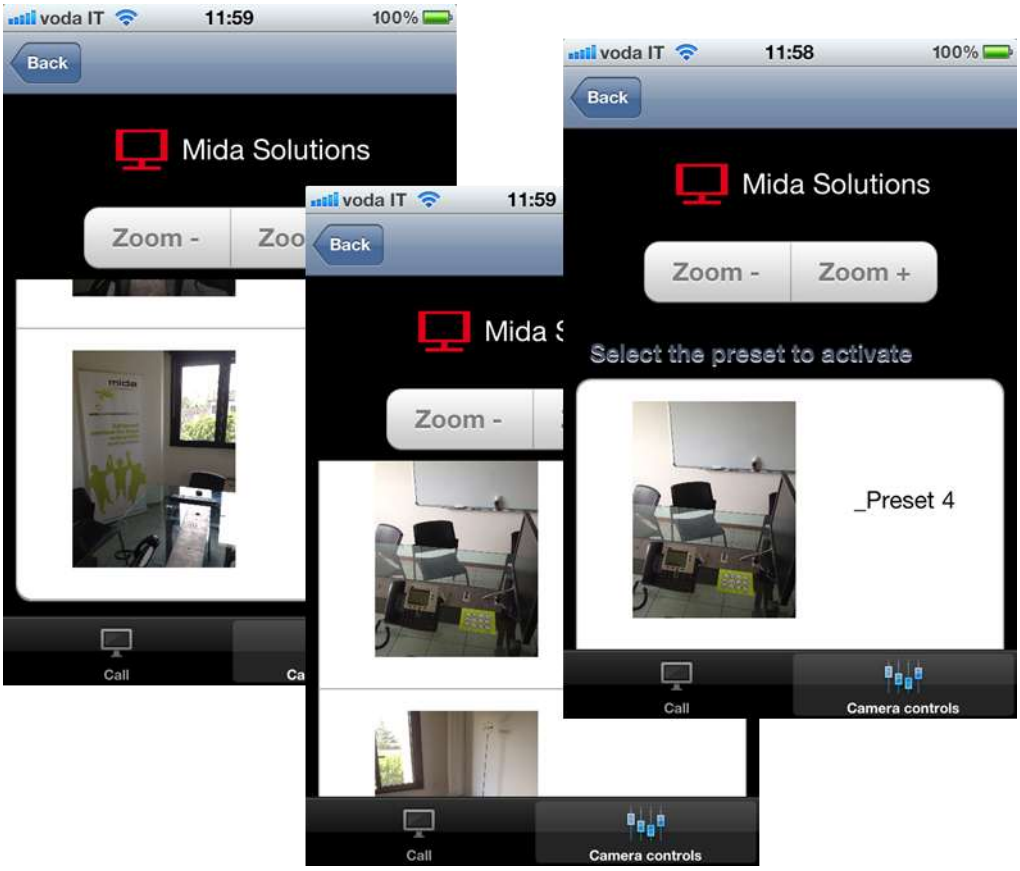

Figure 3: manage rooms – preset example

2.2 *Make a video call*

When you start the app, it displays the list of configured rooms (codecs).

In order to start the video call you must select the room and start the video conference.

Then you can add the participant selecting their contacts from:

- favourites
- call history
- addressbook
- dial command inserting the number

Otherwise, if you have planned the video conference by TSM, you can also start a video only by selecting the room.

When the videoconference is active, it's possible:

- see the room and the involved participants;
- add a participant;
- put on hold the video call;
- close the video call;
- adjust audio volume;
- mute/unmute the call;
- select a camera preset if available.

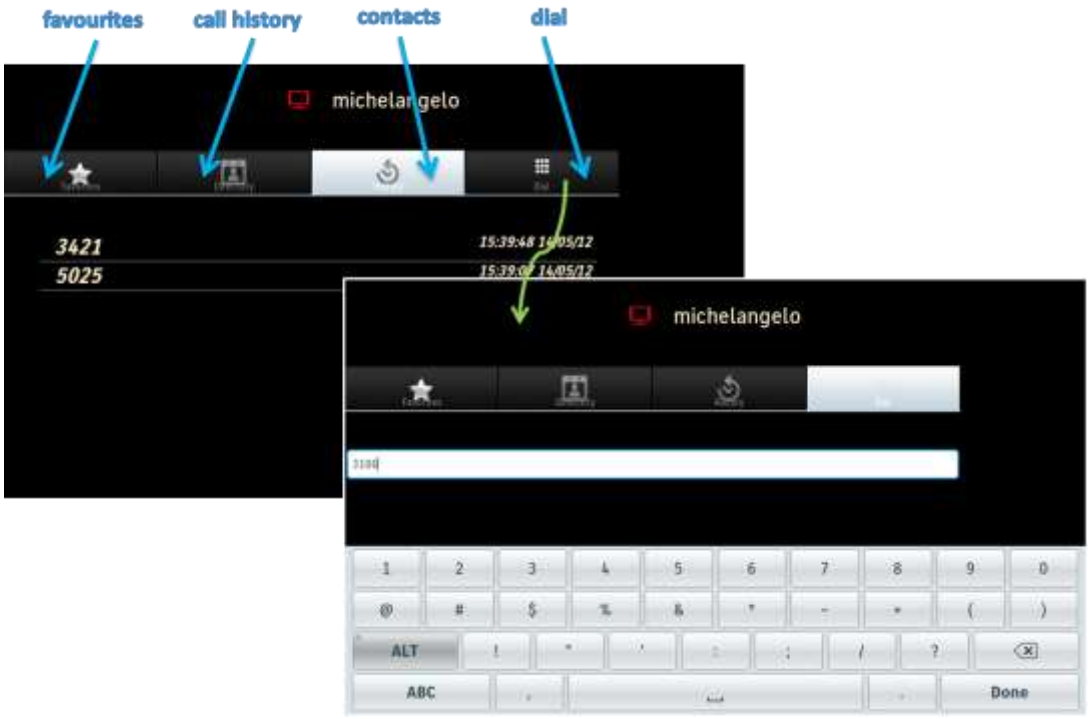

Figure 4: make call – Android device

Figure 5: make call – iOS device

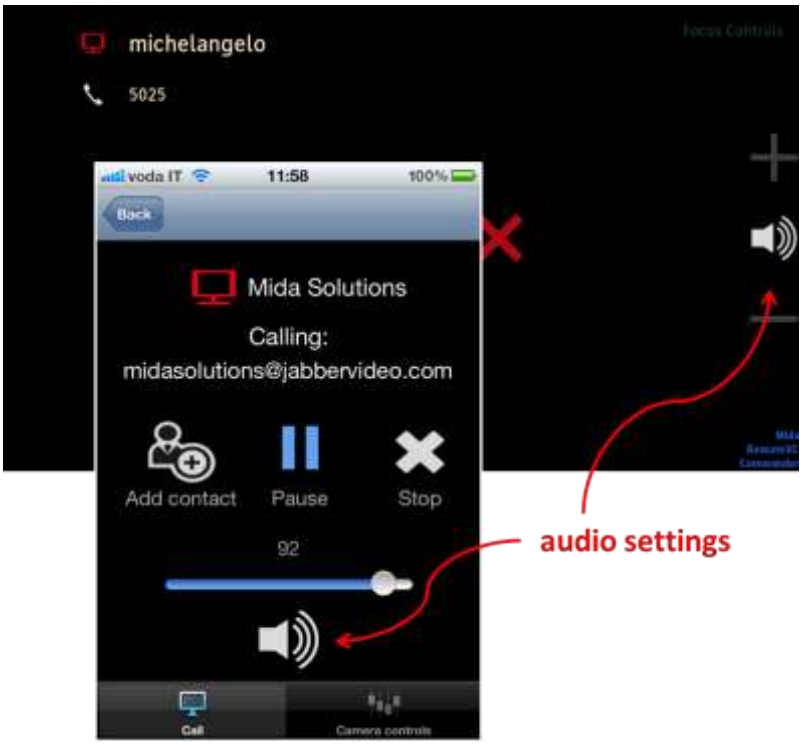

Figure 6: audio settings examples

2.3 *Multi Room Mode*

If you want to use this mode, ensure in main settings area that "***One Room Mode***" checkbox is **disabled** and then you can select the desired room (codec) in two ways:

- ***touch interface:*** press on the room name to select the desired room (or the "one button to push" red bullet for the given room) or search a data room by name (useful if the list is very long)

- ***voice command***, just pressing the microphone button (only for CIUS with Mida Application Server); *Word spotting: you can say a sentence, the solution automatically detects the name of the room, eg. "I'm in Galileo room" or "This room is Galileo"*

Once you select the room (codec), the system:

- checks if there are meetings scheduled via TMS in that room at that time
- perform the intersection of such scheduled meetings with those reported in the user's calendar (only if "*Use mobile device calendar*" is enabled)

If at least one meeting is planned this will be started automatically.

NOTE:
you must keep disabled "*Use mobile device calendar*" if you do not want to use the user's calendar.

Example:
1. schedule a meeting via TMS on "Galileo room"
2. activate the application and say: "*I'm in Galileo room*"
3. ensure that the video conference is automatically activated

2.4 *One Room Mode*

If you want to use this mode, ensure (in main settings area) that:

- **"*One Room Mode*"** checkbox is **enabled**
- "***Use mobile device calendar***" checkbox is **disabled**

In this mode the user can start the planned videoconference simply by activating the app.

The mode is similar to the previous mode described above but the room and the codecs are already selected and the user cannot change them (the app is similar to the codec's remote commander).

Example:
1. schedule a meeting vis TMS on "Galileo room";
2. make sure that the mode is set to "*one room*";
3. activate the app and confirm the start of the videoconference;
4. ensure that the video conference is started automatically.

Otherwise you can also start a video conference in a specific room by selecting a contact in address book or a favorite (this is also supported in multi-room mode).

2.5 *Settings*

At startup of the app, you may also choose how you want to use:

- **Multy Room Mode:** the app shows all the room (codec) available and the user can select the desired room with voice command or touch interface;
- **One Room Mode:** when you select this mode, you must select also the room (codec) to use and the app works only on that room without asking the user for input.

Default settings is *Multi room Mode*; if you want to enable the *One Room Mode* flag "One Room Mode" check box and select the room (codec) to use, pressing "Select Room" key.

Another available option is "***Use mobile device calendar".*** If this option is active when you start the app it will check any meetings scheduled in the app user's personal calendar and verify the names of planned meetings with those planned on TMS.

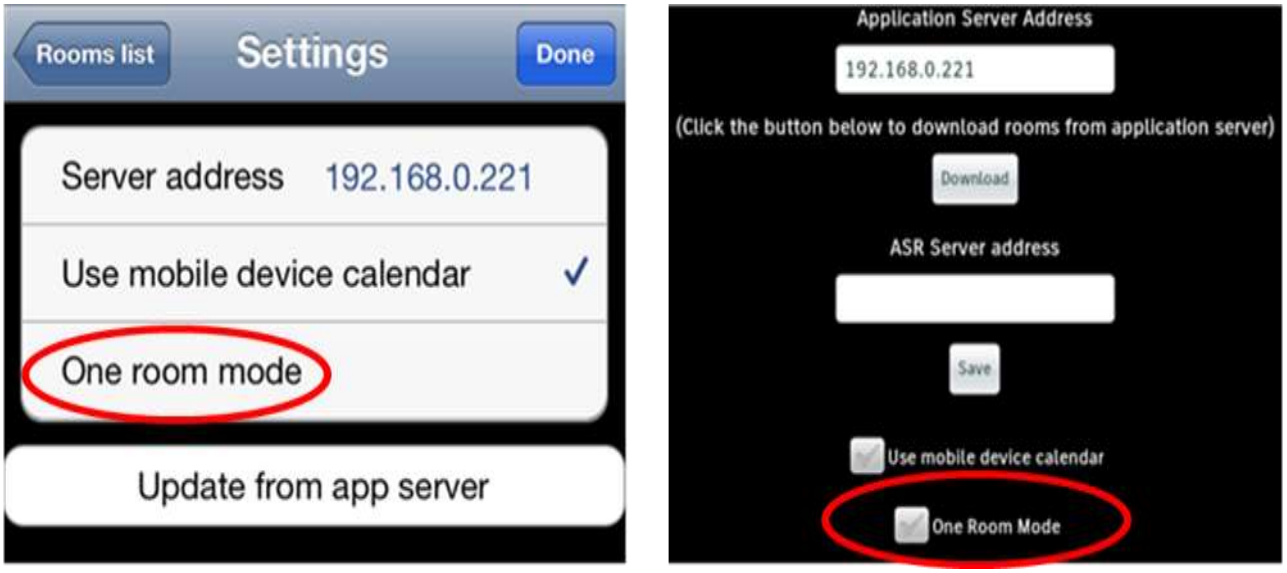

Figure 7: room mode

2.5.1 *using a Mida Application Server*

If you are using a Mida Application Server, the first time that you access to the app you must configure connection parameters and settings in this way:

- Ensure that the mobile device (tablet or smartphone) can access to the *Mida Application Server* and to the *codec* that you want to control.
- Make sure that the *Mida Application Server* has been properly configured and activated and contains *codec*'s list with names and credentials required. [Refer the administrator section for further details].
- Configure the *Mida Application Server* hostname or IP address in app:

  1. start the app and select **Settings**
  2. enter the *Mida Application Server* <IP_Address> in the format xxx.xxx.xxx.xxxx **(3)**
  3. Only for CIUS: enter the ASR (voice recognition) server <IP_Address>**: 8091 (4)** REMEMBER TO PUT THE NUMBER OF PORT 8091!
  4. push Save button

NOTE: for on premises system, the Mida Application Server IP address and ASR Server IP address are usually the same.

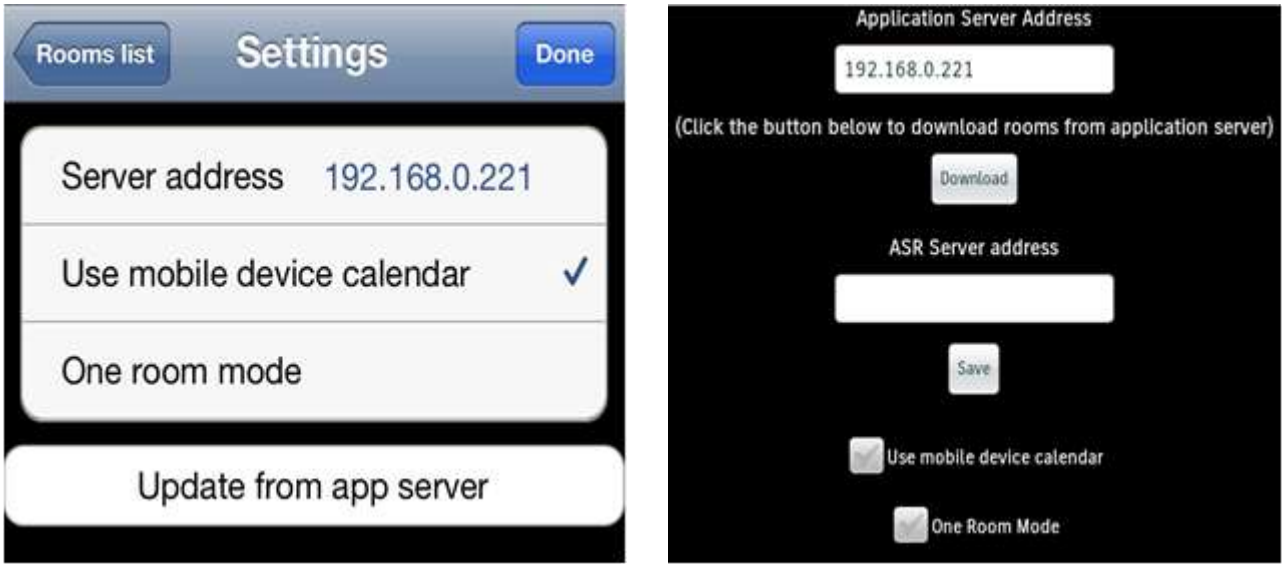

Figure 8: settings

3 Mida Remote VC Commander Administrator Guide

Mida Remote VC Commander app can use an application server (Mida Application Server) as the master source of data and:

- includes **speech recognition** (ASR) engine (only for CIUS version)
- provides the **codec list** (set as rooms in the app) that the app can use
- is completely web based

This application service is a part of the Mida applications suites **MCC** and **eFramework** and is available as a vmware **virtual appliance.**

3.1 *First Setup*

The Mida application Server is provided as a preinstalled vmware virtual appliance running on Linux OS.

The virtual appliance setup requires a virtualization environment (i.e. hypervisor ESXi 4.x or 5.x or other vmware compliant software).

The first setup requires:

1. Mida Application Server network configuration
2. list of codecs configuration

3.2 *Network Configuration*

The virtual appliance is usually provided with the static ip address **10.0.0.100**; dynamic IP (i.e. DHCP) are not supported.

If uploading the virtual appliance on a vSphere system the virtual machine shall be properly loaded using vCenter converter. After uploading the machine a standard static IP address is assigned. Please refer to the following details on how to set the first server IP configuration.

Once the Mida Virtual appliance is loaded, the first IP address of the server can be configured from the console by pressing **ALT+F5**.

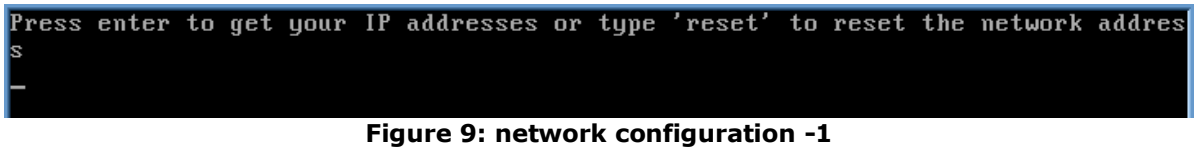

Figure 9: network configuration -1

Type **enter** to get the virtual machine IP address or type **reset** to reset the network settings.

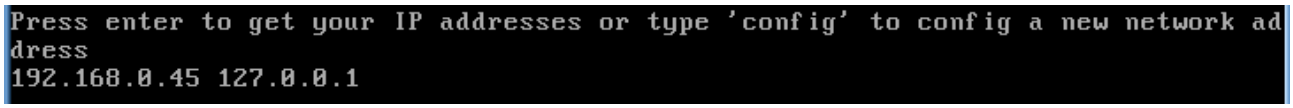

Figure 10: network configuration -2

Type **config** to configure the IP settings of the virtual machine.

After typing **config** the following network information shall be properly inserted:

- **IP address**: the virtual machine static IP address, e.g. 192.168.0.67
- **NetMask**: netmask to be used, e.g. 255.255.255.0
- **Default gateway**: the default gateway to be used by the application server, e.g. 192.168.0.1
- **First DNS**: first Domain Name Server IP address to use
- **Second DNS**: second Domain Name Server IP address to use

Make sure that all parameters are properly typed, if not please perform a reset action.

Once the script is completed the server will be available under the new IP address. In case reboot the server. From now on the server can be managed through a standard web browser by accessing the system control panel (PDC).

It's also possible to modify the network settings through web portal (if the MidaApplication Server is reachable). In this case you may:

1. access to the system control panel (PDC) (**Errore. Riferimento a collegamento ipertestuale non valido.**);
2. login with administrator credentials;
3. enter the network tab and set the new IP configuration.

For more details please refer to [2] *(Mida_Appliance-Administration_Manual*).

3.3 *Codec Configuration*

In order to configure the codecs list you may access to Mida Application Server web portal.

You must select a browser and go to web address http://<IP_ADDRESS> or http://<HOST_NAME> (where <IP_ADDRESS> and <HOST_NAME> is the ip assigned to Mida Application Server).

Access to the system with this credentials:

- Username: **admin**
- Password: **admin**

From the left toolbar choose ***Application → vcManager → Rooms***

In this page (see Figure 11) you can see the list of codecs already configured, modify or remove them and add a new one.

For each codec the page provides the following information/option:

Add codec	Link - Add new codec.
	Delete codec. A warning dialog box will open to ask for confirmation.

ADD NEW CODEC

In order to add a new codec you must select "***Add codec***" link and type this parameters:

- **Name**: this is the name used by app in order to identify the room (also in case of speech recognition)
- **IP Address**: ip address or host name of the codec
- **Username**: enter the administrative user that system use to access to the codec
- **Password**: enter the password of the user that system use to access to the codec

Hence you have configured this parameters click Save button.

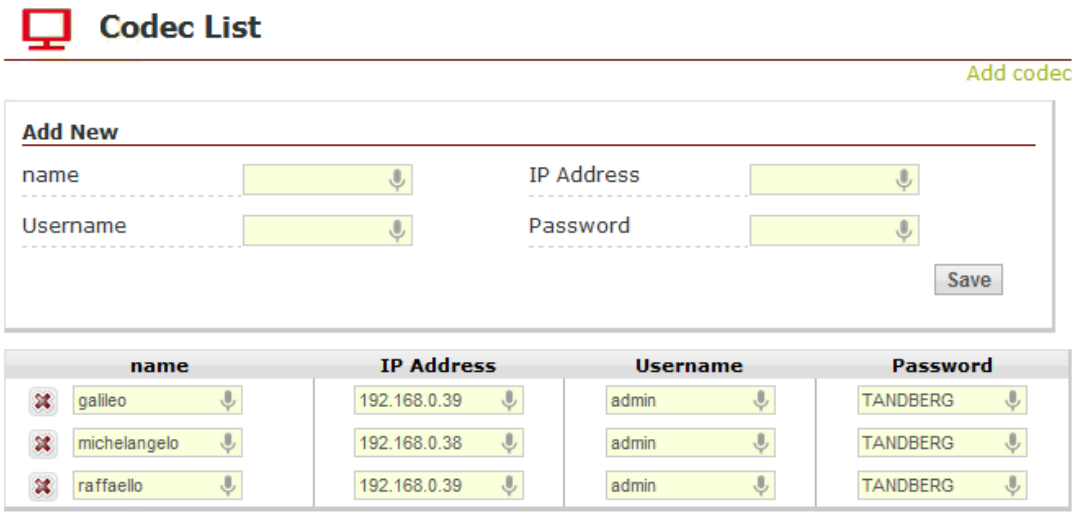

Figure 11: codec list